



**ENGINEERING AND RESOURCE PROTECTION REVIEW COMMENTS
BUSCH GARDENS ITALY RESTAURANT – RENOVATION/ GAS LINE
COUNTY PLAN NO. SP – 074 – 15**

August 21, 2015

General:

1. A local Land Disturbing/Stormwater Construction Permit (VESCP/VSMP authority permit) and Siltation Agreement, with surety, are required for this project.
2. Fees. Local plan review and inspection fees are required for this project in accordance with Chapter 8, Chapter 19, Chapter 23, and Chapter 24 of County Code.
3. VSMP/VPDES Construction. It appears disturbed area for the site exceeds 2,500 square feet. Therefore, it is the owner's responsibility to register for coverage under the state general VPDES permit for discharges of stormwater from construction activities (VAR10) through the local VSMP authority, in accordance with current requirements of the State Water Control Board and the Virginia Department of Environmental Quality. Visit the Engineering and Resource Protection Division or Virginia DEQ website for additional information and forms. (Note: No local land disturbing/stormwater construction (VESCP/VSMP authority) permit will be issued until evidence of registration and VPDES construction general permit coverage is demonstrated.)
4. Plan Number. Please reference the assigned County plan number on all subsequent submissions. This number is SP-0074-2015.
5. HUC. Provide reference to the hydrologic unit code (HUC) designation for where the project is located. The HUC codes are current Virginia 6th order NWBD hydrologic unit codes VAHU6. Refer to the Virginia DCR, Soil & Water Conservation, Hydrologic Unit Geography website for additional information. The HUC code for this site is JL35.

Chesapeake Bay Preservation:

6. Environmental Inventory. Based on preliminary review of the plan of development, it has been determined that the Environmental Inventory, as required in accordance with Section 23-10(2) of the County's Chesapeake Bay Preservation ordinance, is substantially incomplete. The Environmental Inventory sheet lists no RPA impacts, yet the demolition plan clearly indicated disturbance within the RPA. Clarify this situation by either adjusting the limits of disturbance to outside of the RPA or by adjusting the impacts to the RPA. If there are impacts to the RPA, please provide a Water Quality Impact Assessment per County Ordinance (Chapter 23).

Impervious Cover:

7. Percent Impervious. The site impervious areas table on sheet C-3 shows percentage impervious increase as of 100%. It should say 0.0%.

Stormwater Management:

8. 6" PVC. The calculations show the 6" PVC runs at 2.0% will be barely adequate for the 10 year flow of 0.94 CFS. Given the nature of storm pipe construction to run slightly off of the approved slope, ERP suggests upsizing the system to include only 8" PVC runs. The increased project cost will be negligible and the pipes will not be constantly exposed to pressure flows, especially if the as-built slope is below 2.0%.